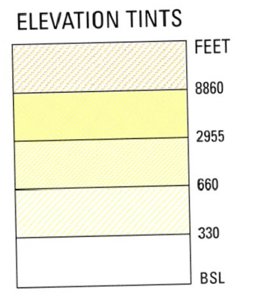
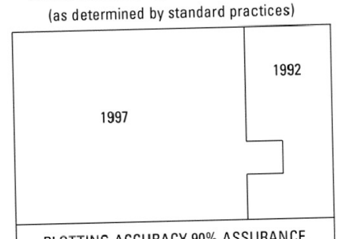
SERIES	1501 AIR
SHEET	NK 38-6
EDITION	3

SERIES 1501 COMPANION SHEET IS EDITION 1

ELEVATION TINTS



RELIABILITY OF THIS GRAPHIC
(as determined by standard practices)



PLOTTING ACCURACY 90% ASSURANCE	
Horizontal	within 425 ft.
Contours	within 165 ft.

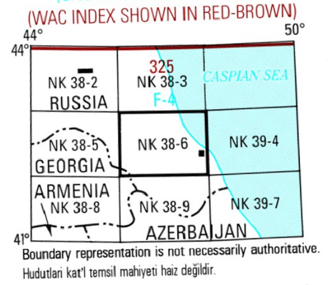
GRAPHIC FEATURE	DATE OF INFORMATION
All features	See diagram

Horizontal Datum: World Geodetic System 1984
Vertical Datum: Mean Sea Level
Transverse Mercator Projection

GLOSSARY

Gora	mountain
Khrebet	mountain(s)
Mys	cape
Ozero	lake, intermittent salt lake
Pereval	pass
Raioni	first-order administrative division
Respublika	first-order administrative division
Stantsiya	railroad station
Vodokhranilishche	reservoir(s)

LOCATION DIAGRAM
(ONC INDEX SHOWN IN BLUE)
(WAC INDEX SHOWN IN RED-BROWN)



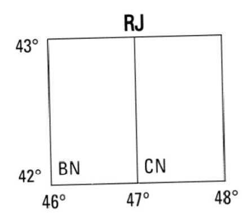
44°
50°
44°
41°
325
NK 38-2
RUSSIA
NK 38-3
F-4
CASPIAN SEA
NK 38-5
GEORGIA
NK 38-6
NK 39-4
ARMENIA
NK 38-8
NK 38-9
NK 39-7
AZERBAIJAN

Boundary representation is not necessarily authoritative.
Hudutları kat'î temsil mahiyeti haiz değildir.

CONVERSION OF ELEVATIONS

FEET	METERS	FEET	METERS
1500	457	30000	9144
1000	305	20000	6096
900	274	10000	3048
800	244	9000	2743
700	213	8000	2438
600	183	7000	2134
500	152	6000	1829
400	122	5000	1524
300	91	4000	1219
200	61	3000	914
150	46	2000	610
100	31	1500	457

GEOREF
BASIC 15° QUADRANGLE



RJ
43°
42°
BN
CN
46°
47°
48°

CAUTION
AIR INFORMATION CURRENT THROUGH 19 MAY 1999
Consult NOTAMS and Flight Information Publications for the latest air information; the NIMA Aeronautical Chart Updating Manual or MOD (U.K.) Aeronautical Chart Amendment document, for other chart revision information.

MAGNETIC VARIATION THROUGHOUT CHART AREA FOR 1995 IS APPROXIMATELY 5°30 EAST
(Annual rate of change 1' easterly)
1995-YILI İÇİN BÜTÜN HARİTADA MANYETİK VARYASYON YAKLAŞIK 5°30' DOĞU BOYL'AM DİR.
(Yilik değişim Doğuya doğru 1' dir)

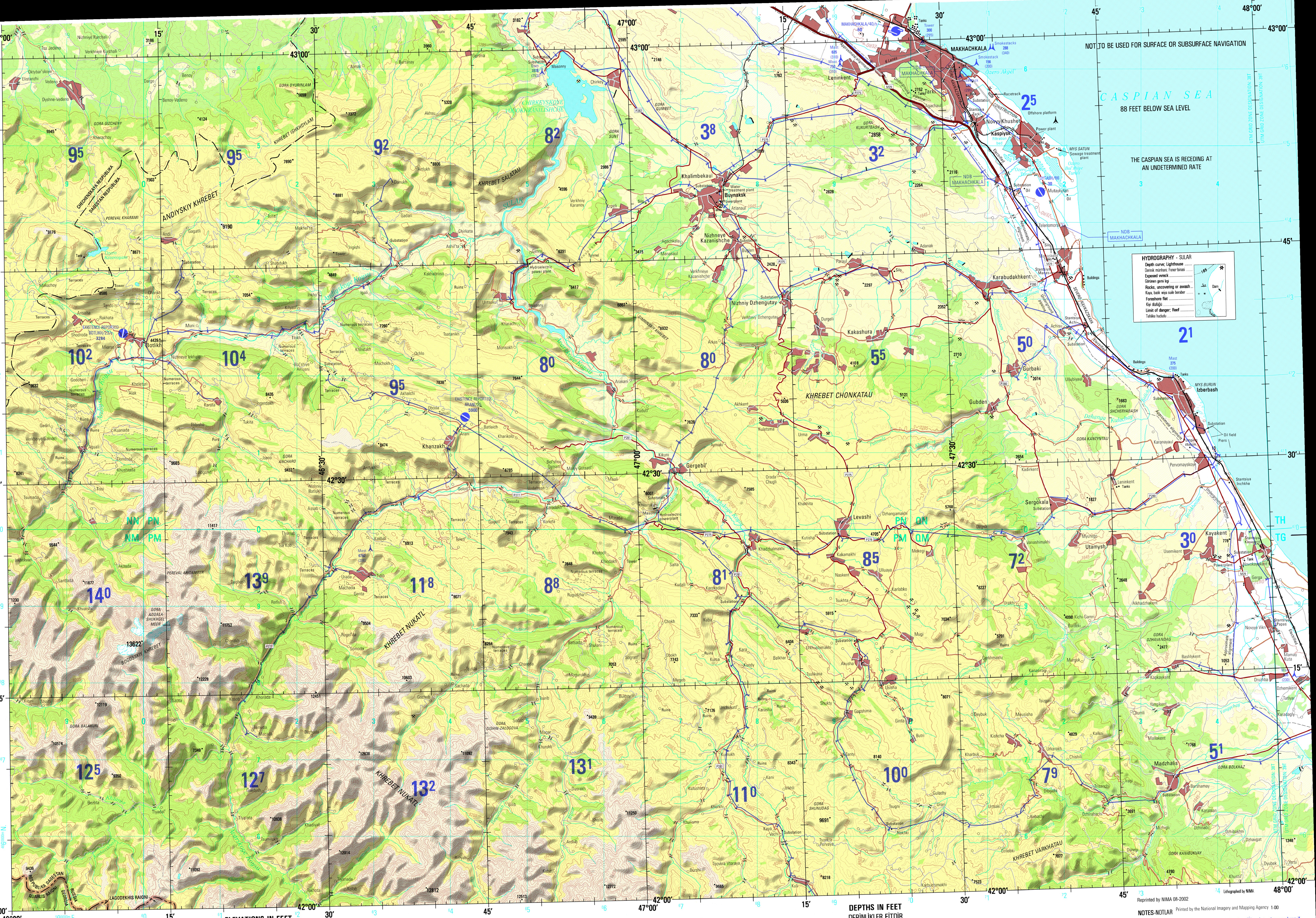
CAUTION
Vertical obstructions,including powerlines,have been extracted from the most reliable sources available. However, there is no assurance that all are shown, or that their locations or heights are exact.

ATTENTION
THIS CHART CONTAINS MAXIMUM ELEVATION FIGURES (MEF)
The Maximim Elevation Figures shown in quadrangles bounded by ticked lines of latitude and longitude are represented in THOUSANDS and HUNDREDS of feet above mean sea level. The MEF is based on information available concerning the highest known feature in each quadrangle, including terrain and obstructions (trees, towers, antennas, etc.). In areas of extensive unreliable relief, the MEF is shown by a note spaced across the area.
EXAMPLE: 12,500 feet 12⁵

SCALE 1:250,000
MAKHACHKALA,
RUSSIA; GEORGIA

SERIES	1501 AIR
SHEET	NK 38-6
EDITION	3

SERIES 1501 COMPANION SHEET IS EDITION 1



NOT TO BE USED FOR SURFACE OR SUBSURFACE NAVIGATION
CASPIAN SEA
88 FEET BELOW SEA LEVEL
THE CASPIAN SEA IS RECEDING AT AN UNDETERMINED RATE
HYDROGRAPHY - SULAR
Depth curve; Lighthouse
Derinik münhani; Fener-binası
Exposed wreck
Görünen gemi leşi
Rocks, uncovering or awash
Kaya, batık veya suile beraber
Foreshore flat
Kıyı düzlüğü
Limit of danger; Reef
Tehlike hududu
46°00'
43°00'
45'
30'
15'
42°30'
47°00'
47°30'
48°00'
42°00'
MAKHACHKALA
Kaspiysk
Buynaksk
Izberbash
Kayakent
Levashi
Botlikh
Khanzakh
Gergebil'
Akusha
Madzhalis
Sergokala
Karabudakhkent
Gubden
Gurbaki
Leninkent
Novyy Khushet
Tarki
Khalimbekaul
Nizhneye Kazanishche
Verkhneye Kazanishche
Nizhniy Dzhengutay
Kakashura
Vedeno
Elistanzhi
Andi
Ansalta
Gimry
Chirkey
Urada
Tidib
Utamysh
Novokayakent
Pervomayskoye
CHIRKEYSKOYE VODOKHRANILISHCHE
SULAK
Andiyskoye Koysu
Avarskoye Koysu
Kazikumukhskoye Koysu
Ozero Kezenoyam
Ozero Akgel'
MYS SATUN
MYS BURUN
ANDIYSKIY KHREBET
KHREBET SALATAU
KHREBET ISHKHOYLAM
GIMRINSKIY KHREBET
KHREBET CHONKATAU
KHREBET NUKATL'
BOGOSSKIY KHREBET
KHREBET VARKHATAU
CHECHENSKAYA RESPUBLIKA
DAGESTAN RESPUBLIKA
RESPUBLIKA DAGESTAN
QUARLIS RAIONI
LAGODEKHIS RAIONI
GEORGIA
RUSSIA
PEREVAL KHARAMI
PEREVAL ARIDAMEER
GORA ADDALA-SHUKHGEL'MEER
13622
EXISTENCE REPORTED BOTLIKH/23/s 3284
EXISTENCE REPORTED ARANI/25 5900
MAKHACHKALA/40/s 50
NDB MAKHACHKALA
UYTASH/86 30
SEVERO-KAVKAZSKAYA
P275
P276
P277
P280
P281
P282
M29
9⁵
9⁵
9²
8²
3⁸
3²
2⁵
10²
10⁴
9⁵
8⁰
8⁰
5⁵
5⁰
2¹
14⁰
13⁹
11⁸
8⁸
8¹
8⁵
7²
3⁰
12⁵
12⁷
13²
13¹
11⁰
10⁰
7⁹
5¹
NN PN
NM PM
PN QN
PM QM
TH
TG
UTM GRID ZONE DESIGNATION: 38T
UTM GRID ZONE DESIGNATION: 39T
590000m E.
4660000m N.
Reprinted by NIMA 08-2002
Lithographed by NIMA

ELEVATIONS IN FEET
YÜKSEKLİKLER FİTDİR

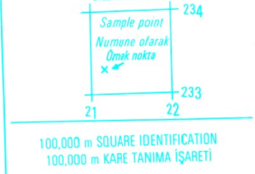
Prepared and published by the National Imagery and Mapping Agency. Compiled in 1984. Revised November 1998.

MAP INFORMATION AS OF 1997
HARITA BILGILERI 1997-DEN ITIBAREN

COORDINATE CONVERSION WGS 84 TO WGS 72
Grid: Subtract 13mE., Subtract 4mN.
Geographic: Subtract 0.6" Long., Subtract 0.1" Lat.

1984 YILIN DÜNYA JEODEZİ SİSTEMİ MEBDESİDEN (WGS84), UTM GRİDDEN 1972 YILIN DÜNYA JEODEZİ SİSTEMİ MEBDESİYE, UTM GRİDE KOORDINAT DÖNÜŞTÜRMEĞİ İÇİN:
Gridden: 13m Kuzey çıkar, 4m Doğu çıkar
Jeokoordinatları: Boylam 0.6" çıkar, Enlem 0.1" çıkar

SAMPLE 10,000 METER GRID SQUARE
10,000 METRELİK GRİD KARESİNİ BİLDİRME ŞEKLİ



Sample point
Numune olarak Örnek nokta
234
233
21
22

100,000 m SQUARE IDENTIFICATION
100,000 m KARE TANIMA İŞARETİ
See body of map
Paftanın içine bakınız

GRID ZONE DESIGNATION
GRİD BÖLGE İŞARETİ
38T

SAMPLE 1,000 METER REFERENCE
1. Read letters identifying the 100,000 meter square in which the point lies: AB
2. Read large number labeling the VERTICAL grid line left of the point: 1
Estimate tenths (1,000 meters) from grid line to point: 2
3. Read large number labeling the HORIZONTAL grid line below the point: 3
Estimate tenths (1,000 meters) from grid line to point: 4
Example: AB1234
WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA IN WHICH THE POINT LIES, PREFIX THE GRID ZONE DESIGNATION.
Example: 38TAB1234

MİSAL OLARAK 1,000 METRELİK ALINAN NOKTA
1. Noktanın bulunduğu 100,000 metrelik kareyi belirten harfler okunur
2. Noktanın solundaki DÜŞEY grid hattının BÜYÜK rakamı okunur
Bu grid hattından noktaya kadar olan mesafe grid aralığının ondalık cinsinden tahmin edilir (1,000 metre)
3. Noktanın aşağısındaki ilk YATAY grid hattının büyük rakamı okunur
Bu grid hattından noktaya kadar olan mesafe aralığı ondalık cinsinden tahmin edilir (1,000 metre)
Örnek: AB1234
ECER BİLDİRİM NOKTANIN İÇİNE DÜŞTÜĞÜ GRİD BÖLGE İŞARETİNİN KAPSADIĞI SAHANIN DIŞINDAN YAPILIYORSA GRİD BÖLGE İŞARETİ DE KONUR.
Örnek: 38TAB1234

ROADS-YOLLAR

Dual Highway / Çift yönlü şose	4 LANES DUAL / 4 İKİZ ŞERİTLİ
All weather, hard surface / Her mevsimde geçişe müsait, sert satıhlı	
More than two lanes wide / İki den daha fazla şeritli	4 LANES / 4 ŞERİTLİ
Two lanes wide / İki şeritli	
One lane wide / Tek şeritli	
All weather, loose or light surface / Her mevsimde geçişe müsait, gevşek satıhlı	
More than two lanes wide / İki den daha fazla şeritli	3 LANES / 3 ŞERİTLİ
Two lanes wide / İki şeritli	
One lane wide / Tek şeritli	
Fair or dry weather, loose surface / Kuru havada geçişe müsait, gevşek satıhlı	
Cart tracks / Araba izi; yaz araba yolu	
Footpath, trail / Yaya yolu; patika	
Route marker / Yol numerası	50

RAILROADS - DEMİRYOLLAR

	Single track / Tek hatlı	Multiple track / Muhtelif hatlı
Normal gauge 1.52m (5') Normal hat		
Narrow gauge Dar hat		

BOUNDARIES-HUDUTLAR
International Devlet hududu
First-order administrative
Birinci derce idari bölüm

VEGETATION-BİTKİ ÖRTÜSÜ
Woods Ağaçlık; Scattered trees Ağaçlık
Orchard
Meyve bahçesi

TERRAIN ELEVATIONS-ARAZI YÜKSEKLİKLERI
Spot elevation, normal; critical
Rakim noktası; normal; çok tehikeli .... ·646 ·840
HIGHEST KNOWN elevation is 13622 feet at the following coordinates:
Rakım noktası: normal: çok tehikeli 13622 fit AZAMI YÜKSEKLİKTIR
Geographic .... 48°18'N, 46°12'E
Noktanın enlemi 48°18'N Kuzey, boyamı; 46°12'E Doğu dur
Grid NM9985
Grid koordinatı NM9985

JOINT OPERATIONS GRAPHIC (AIR)

SCALE 1:250,000

5 0 5 10 Statute Miles
5 0 5 10 15 Kilometers
5 0 5 Nautical Miles

CONTOUR INTERVAL APPROXIMATELY 330 FEET
MÜNHANİLER YAKLAŞIK 330 FİT'DE BİR GEÇİRİLMİŞTİR

BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 38, WORLD GEODETIC SYSTEM 1984 ELLIPSOID.
MAVİ RAKAMLI HATLAR WGS-84 (1984 YILIN DÜNYA JEODEZİ SİSTEMİ) ELİPSOİT VE 38 DİLİME AİT 10,000 METRELİK ÜNİVERSAL TRANSVERS MERKATOR GRİDİNİ GÖSTERİR

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NGA ENTERPRISE SERVICE DESK: 1-800-455-0899; COMMERCIAL 301-227-9811; DSN 287-9811; UNCLASSIFIED EMAIL: ENTERPRISESERVICECENTER@NGA.MIL; SIPRNET: ESC@NSCN.NGA.SMIL.MIL; OR WRITE TO: DIRECTOR, NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY, ATTN: ESC, MAIL STOP D-240, 4600 SANGAMORE ROAD, BETHESDA, MD 20816-5003.

© COPYRIGHT 1999 BY THE UNITED STATES GOVERNMENT.
NO COPYRIGHT CLAIMED UNDER TITLE 17 U.S.C.

©1999 TELİF HAKKI AMERİKA BİRLEŞİK DEVLETLERİ HÜKÜMETİ
AMERİKA BİRLEŞİK DEVLETLERİ KANUNLARI, 17. DÜSTÜR HÜKÜMETLERİNE GÖRE HİÇ BİR TELİF HAKKI ARANMAZ.

DEPTHS IN FEET
DERİNLİKLER FİTDİR

AERODROMES (Military or Civil)
HAVA MEYDANI (Askeri veya Sivil)
Runway pattern known EDNA/50/s 725
Pist'i bilinen alan
EDNA – Name İsim
50 – Length of longest runway to nearest numdreds of feet
Yüzierce yüz fit' de yuvarlanan en uzun pist uzunluğu
s – Soft or unimproved surface
Yumuşak veya geliştirilmemiş pist satihli
u – Unknown surface
Pist satihli bilinmiyen
725 – Elevation Yükseklik
Field limits and runway pattern unknown
Pist'i ve hudutları bilinmeyen alan
HELIPORT HELİPORT

RADIO FACILITIES-MUHABERE TESİSLERİ
VOR VORTAC VOR VORTAC
TACAN VOR/DME TACAN VOR/DME

CONTROLLED AIRSPACE
KONTROLLU HAVA BÖLGESİ
ADIZ ADIZ .... CONUS ADIZ

VISUAL AIDS AND OBSTRUCTIONS
YARDIMCI İŞARETLER VE ENGELLER
Obstruction Engel 1108 (259)
1108-Elevation of obstruction top, above sea level
1108-Engel tepesinin ortalama deniz seviyesinden yüksekliği
(259)-Elevation of obstruction top, above ground level
(259)-Engel tepesinin yerden yüksekliği
Group obstruction Grup halindeki engeller
Radio facility obstruction Radyo kolaylığı sağlayan engel
Power transmission line Enerji nakil hattı
Visual ground sign Görülen yer işareti .... M
Aero light; Marine light
Işık kulesi; Deniz feneri .... ☆ ●

NOTES-NOTLAR

Printed by the National Imagery and Mapping Agency 1-00

Powerlines are shown except within populated place tints. Other obstructions are shown if they are 200 feet or more above ground level. See caution note.
Hafif renkli meskun yer dışında enerji nakil hattı gösterilmiştir. Diğer engeller, yükseklikleri yer seviyesine 200 fit veya daha fazla ise, gösterilmiştir. Dikkat notuna bak.
Road classification should be referred to with caution.
Yol tasnif edilmesine ikaz müracaat etmek lazim.
On this graphic a lane is generally considered as being 8 feet (2.5 meters) in width.
Bu haritada yol şeritlerinin genişliği genellikle 8 fit (2.5 metre) olarak kabul edilmiştir.
BOUNDARY REPRESENTATION IS NOT NECESSARILY AUTHORITATIVE.
HUDUTLARI KAT'I TEMSİL MAHİYETİ HAİZ DEĞİLDİR
DEPICTION OF INTERNATIONAL BOUNDARIES HAS CHANGED SINCE THE LAST EDITION.
GÖSTERİLEN ULUSLARARASI SINIRLAR SON BASIMDAN BU YANA DEĞİŞMİŞTİR.
NAMES AND BOUNDARIES OF ADMINISTRATIVE DIVISIONS IN RUSSIA ARE NOT AVAILABLE.
RUSYA İÇİNDEKİ BİRİNCİ DERECE İDARE BÖLÜMLERİ VE İSİMLERİ BILINMIYOR.

NSN 7641014102001
NGA Ref No. 1501ANK3806
ED. NO. 003